

$$E = R^{-6}/(R^{-6} + R_o^{-6})$$

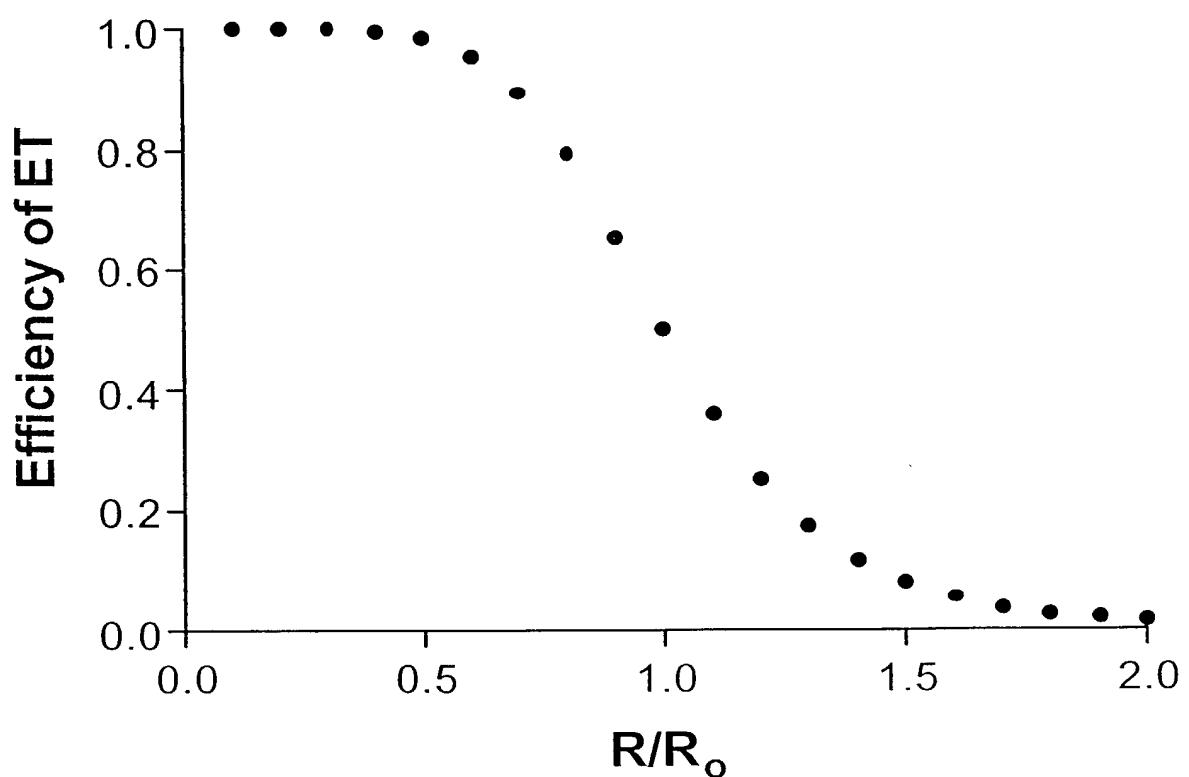


FIG. 1

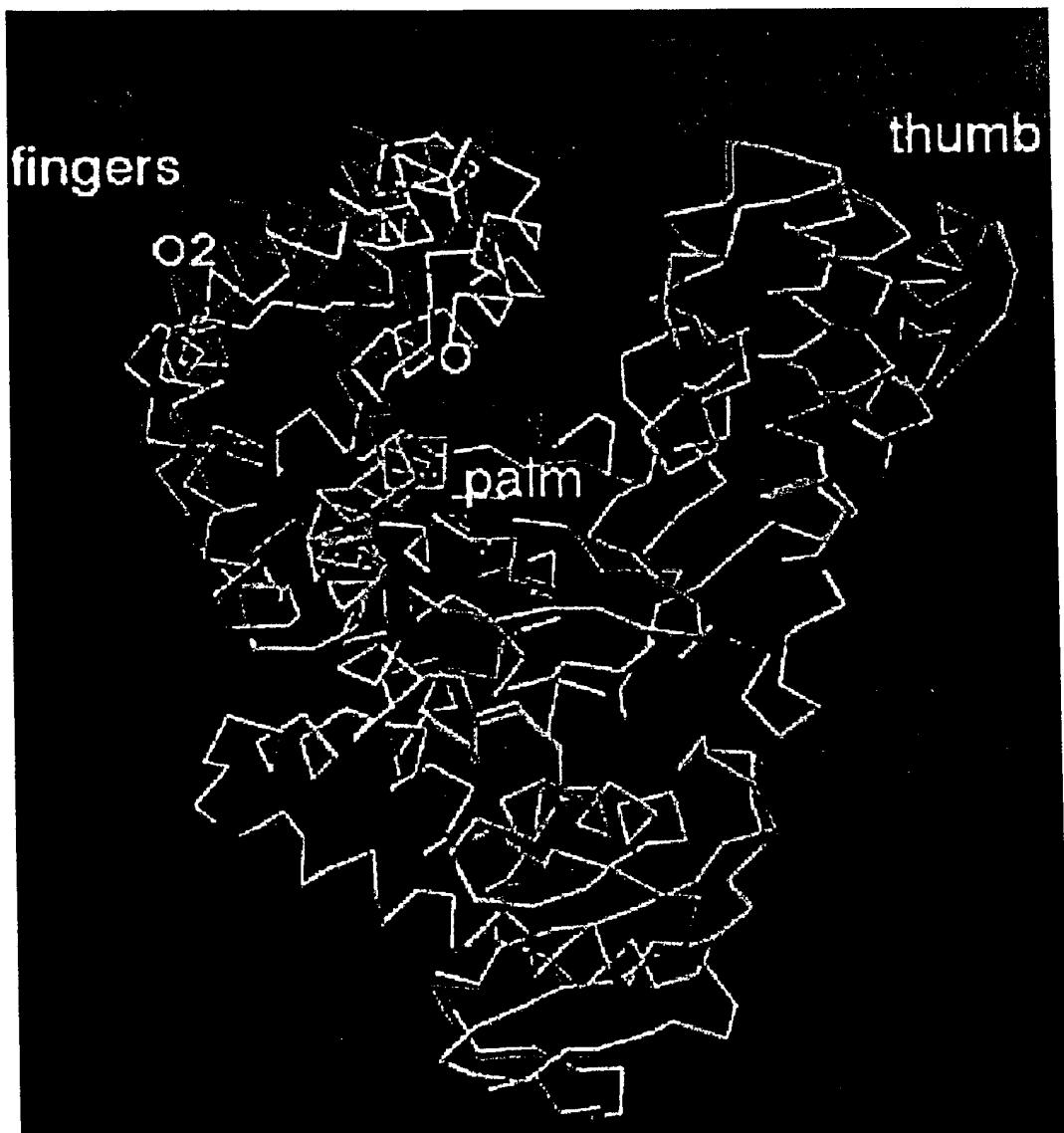


FIG. 2



FIG. 3A

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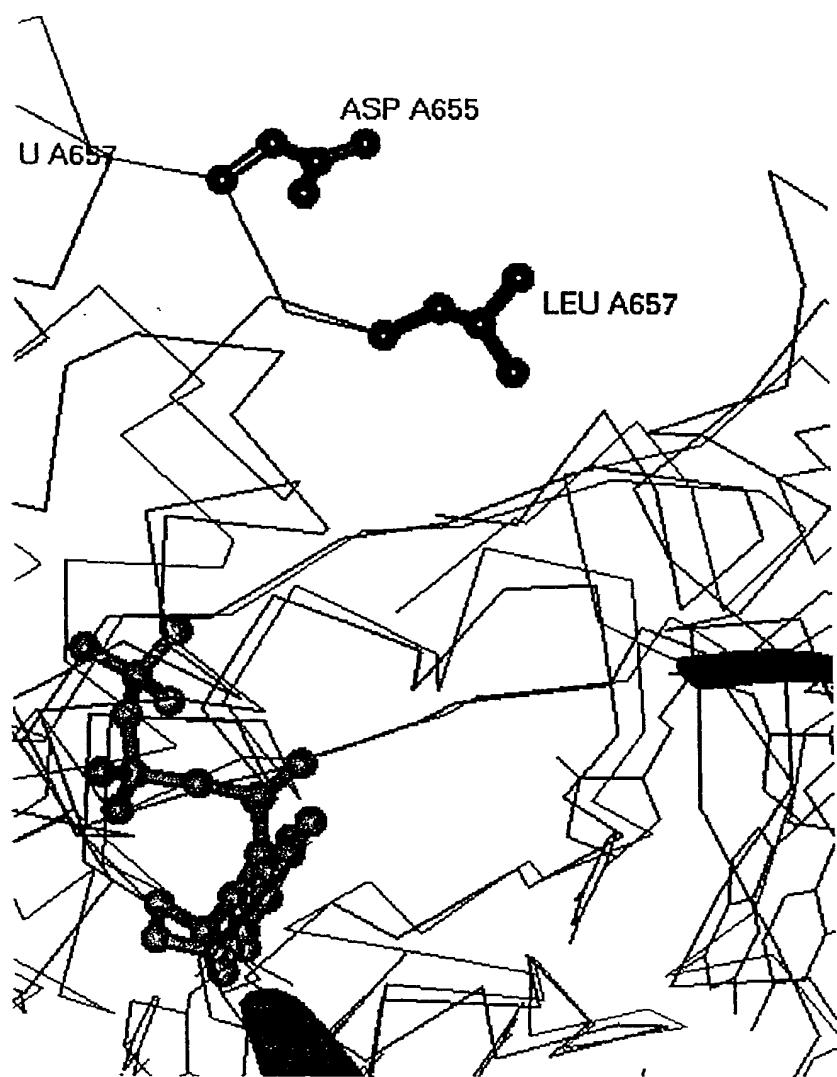


FIG. 3B

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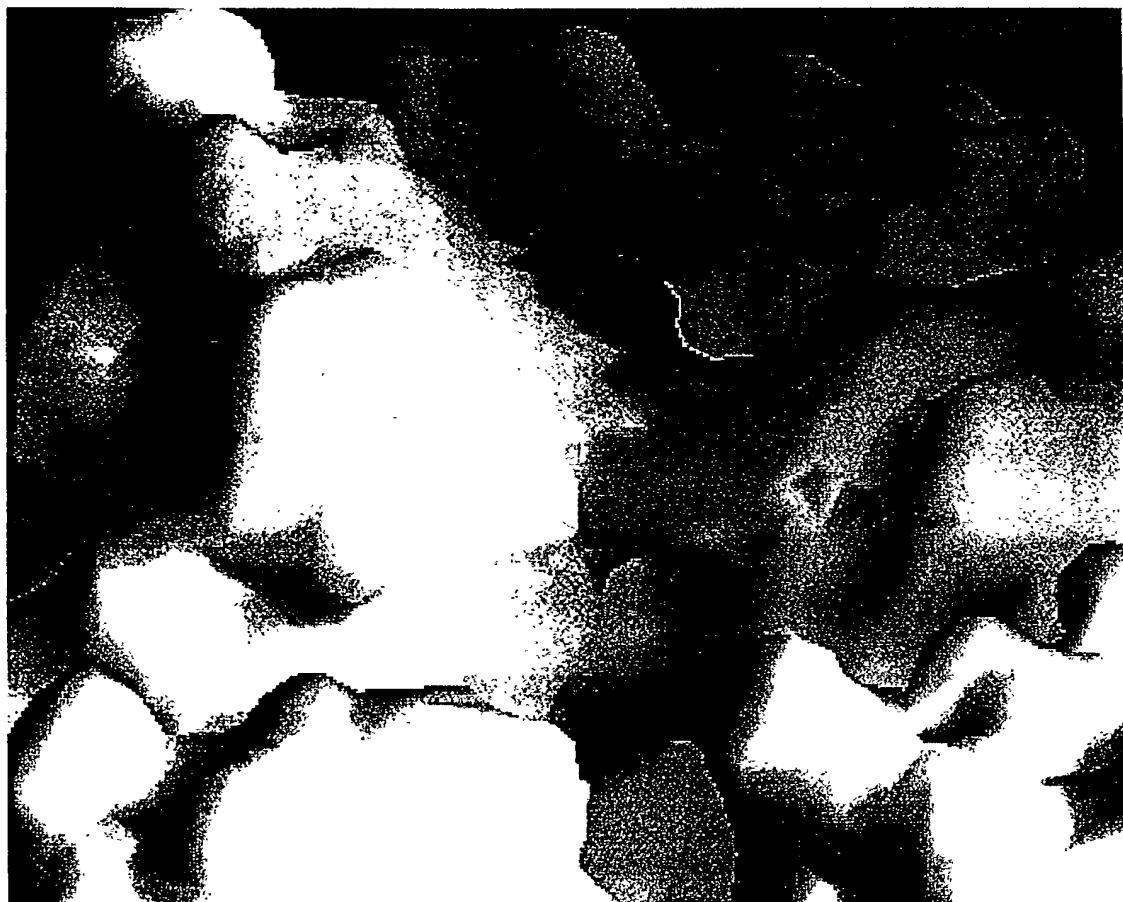


FIG. 3C

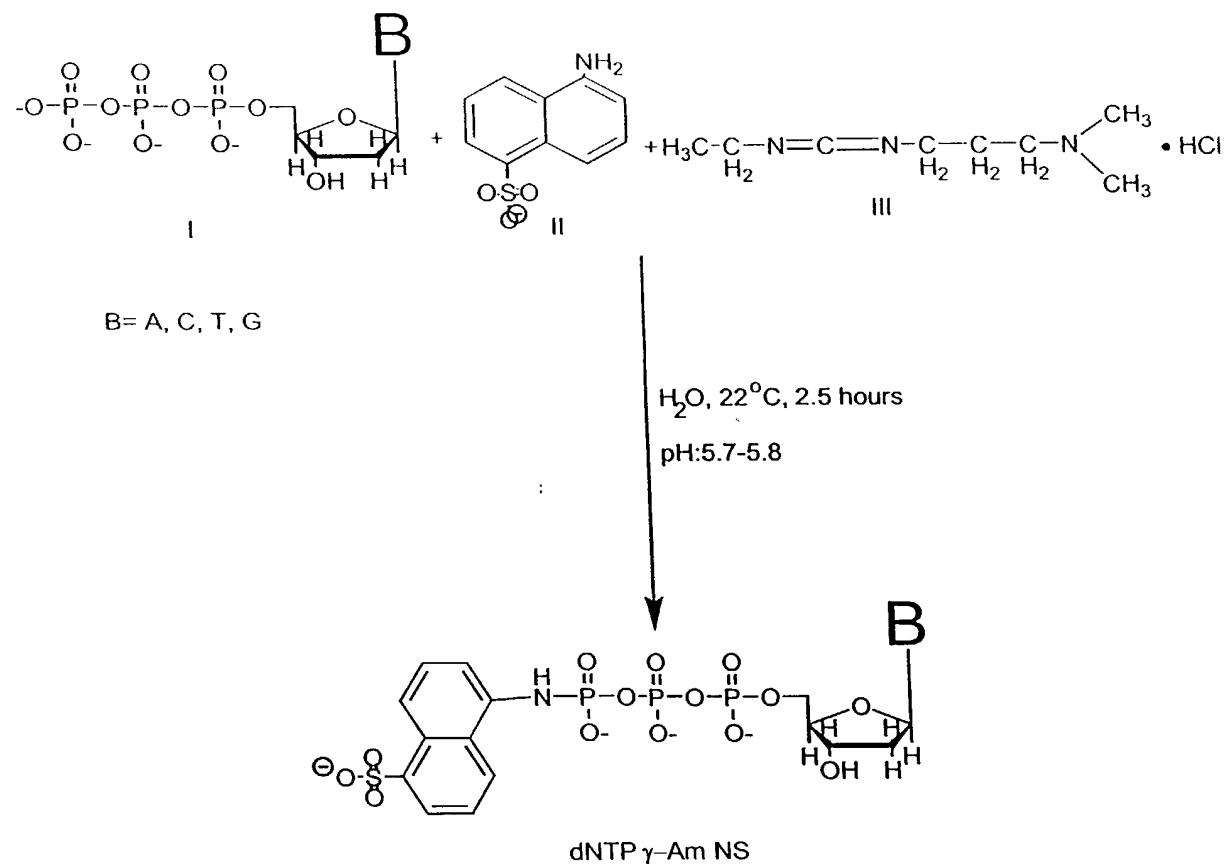


FIG. 4

## Primer Strand:

TOP 5' GGT ACT AAG CGG CCG CAT G 3'

## Template Strands:

BOT-T 3' CCA TGA TTC GCC GGC GTA CTC 5'

BOT-C 3' CCA TGA TTC GCC GGC GTA CCC 5'

BOT-G 3' CCA TGA TTC GCC GGC GTA CGC 5'

BOT-A 3' CCA TGA TTC GCC GGC GTA CAC 5'

BOT-3T 3' CCA TGA TTC GCC GGC GTA CTT TC 5'

BOT-Sau 3' CCA TGA TTC GCC GGC GTA CCT AG 5'

Incorporate: GATC AG AAAG  
 (5' to 3')

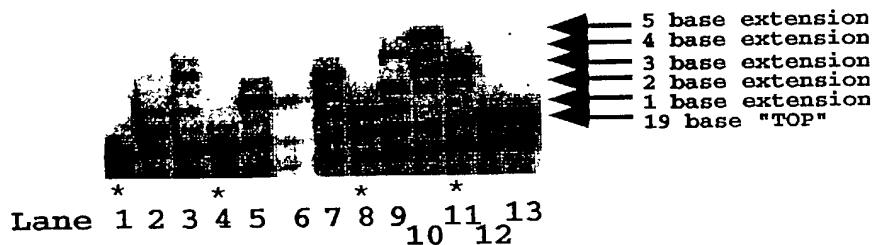


FIG. 5

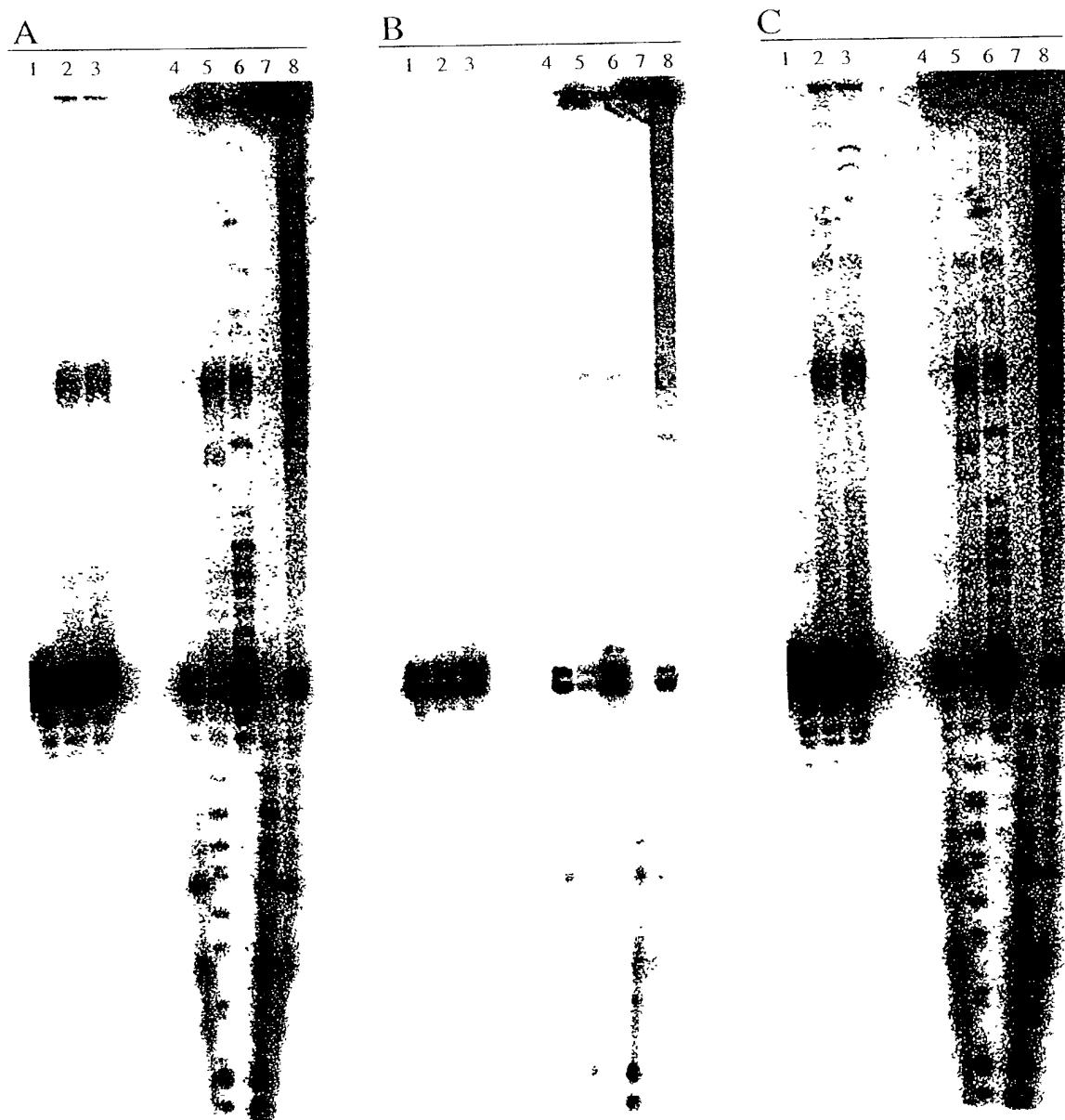


FIG. 6

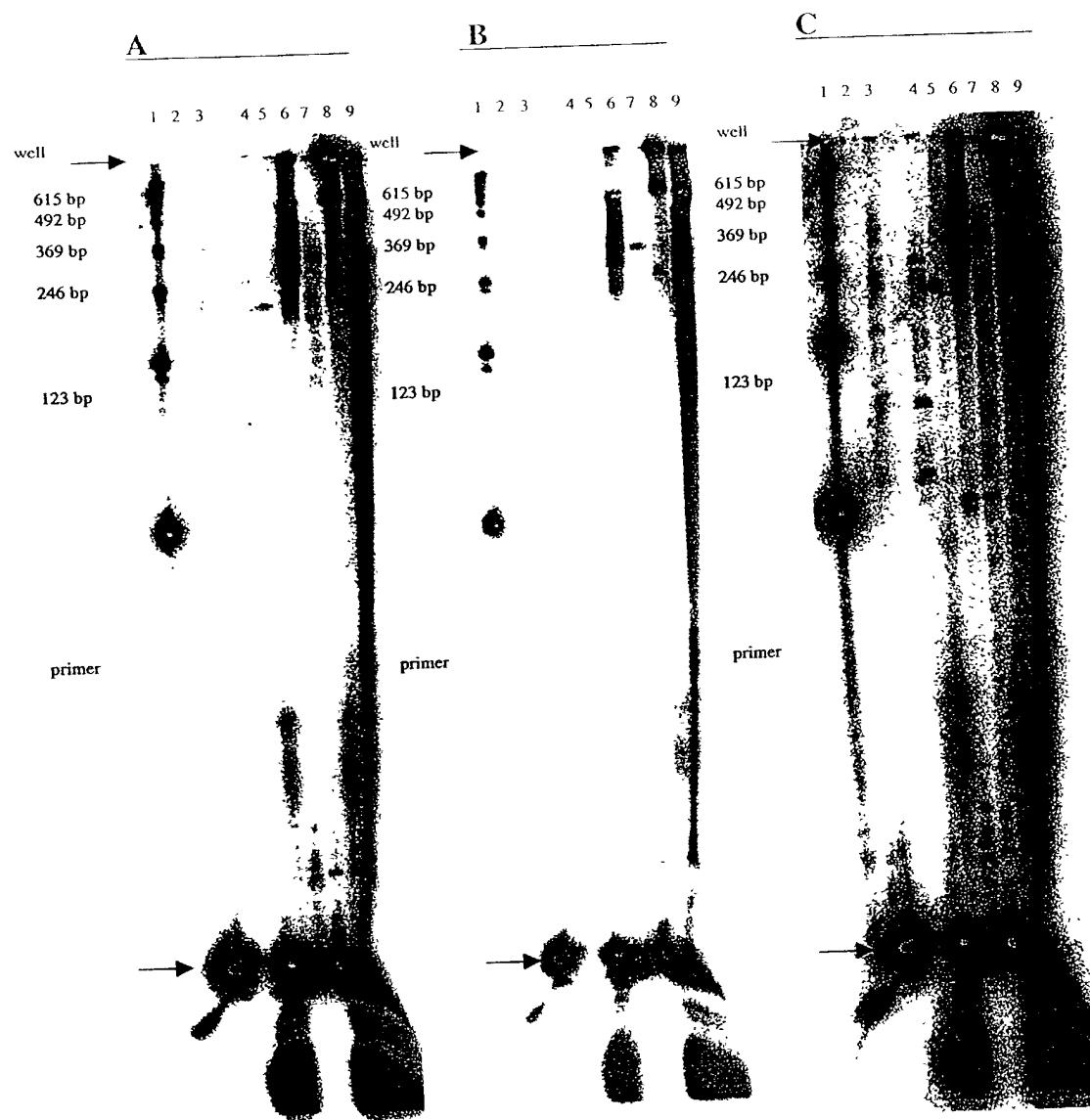


FIG. 7

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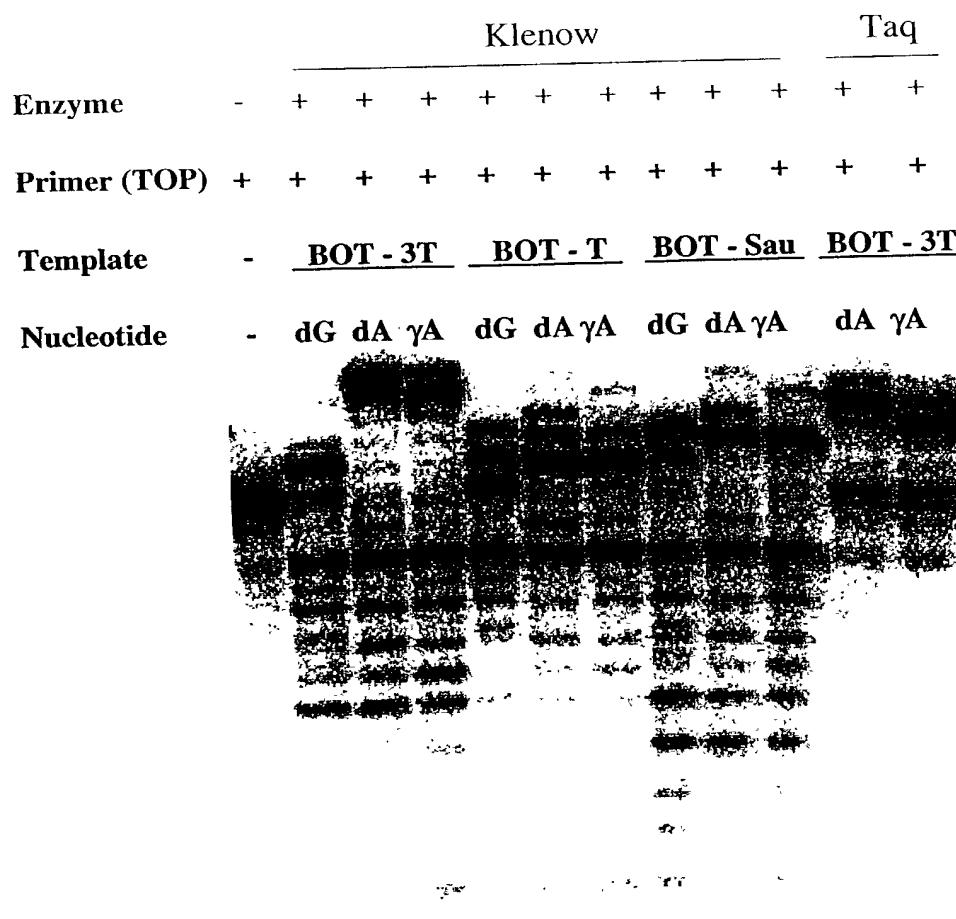


FIG. 8

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## *Pfu* Primer Extension Assays

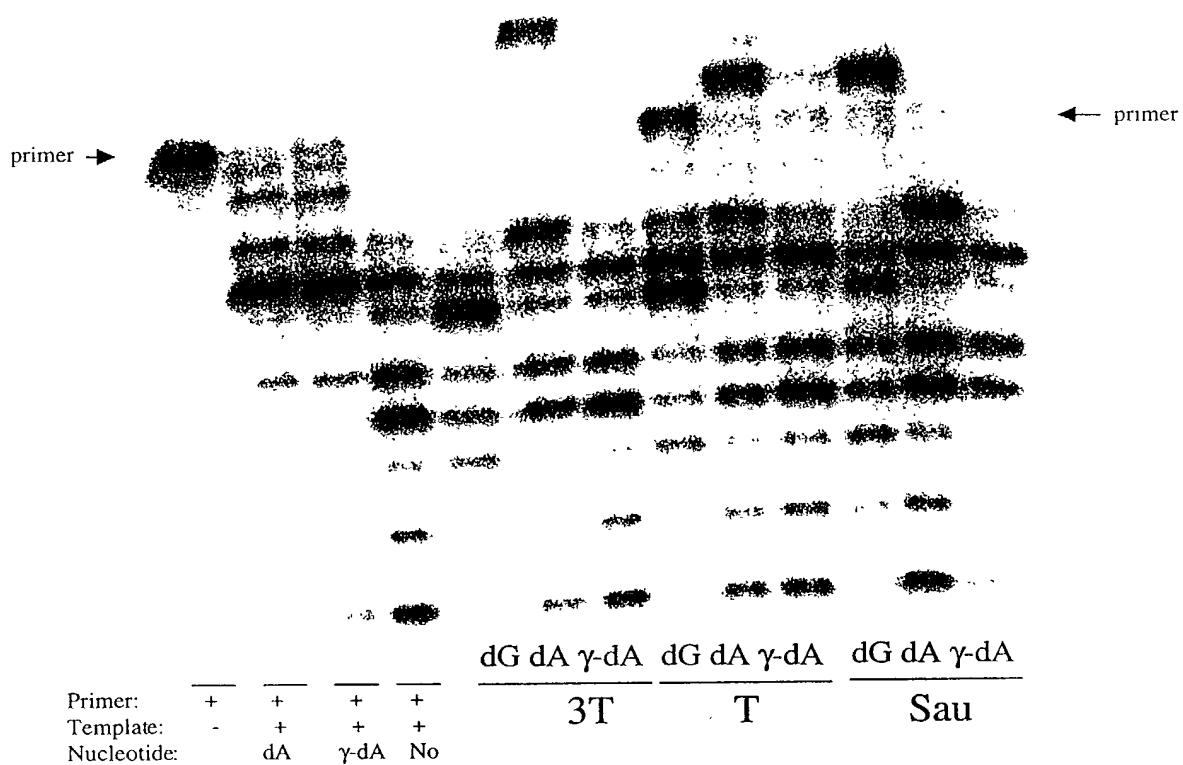


FIG. 9

## • Primer Strand:

Top	5'	GGT	ACT	AAG	CGG	CCG	CAT	G	3'
-----	----	-----	-----	-----	-----	-----	-----	---	----

## • Template Strands:

3T	3'	CCA	TGA	TTC	GCC	GGC	GTA	CTT	TC	5'
Sau	3'	CCA	TGA	TTC	GCC	GGC	GTA	CCT	AG	5'

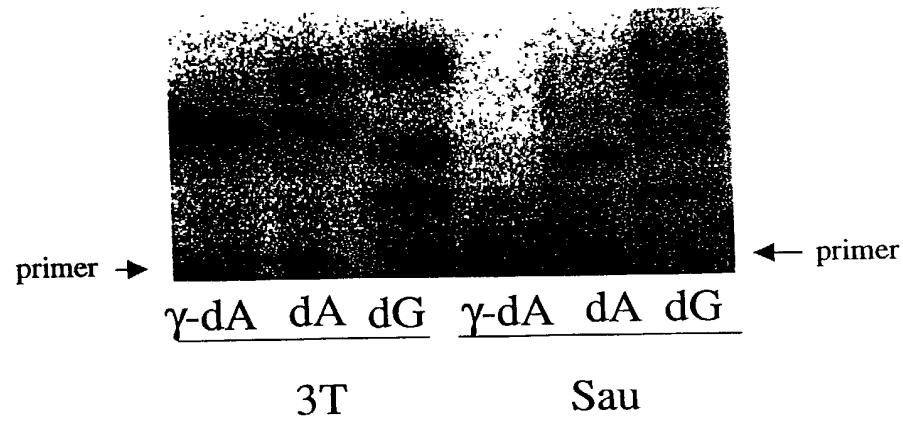


FIG. 10

Primer Strand:

Top 5' GGT ACT AAG CGG CCG CAT G 3'

Template Strands:

BOT-3T 3' CCA TGA TTC GCC GGC GTA CTT TC 5'  
BOT-Sau 3' CCA TGA TTC GCC GGC GTA CCT AG 5'

Enzyme:	None	T7	T7	Seq	Seq	T7		Sequenase		Taq		
Primer:	+	+	+	+	+	+	+	+	+	+	+	+
Template:	-	+	-	+		BOT-3T		Sau		BOT-3T		Sau
Nucleotide:	-	dA	$\gamma$ dA	dA	$\gamma$ dA	dG	dA	(spill) $\gamma$ dA	dG	dA	$\gamma$ dAdG	dA

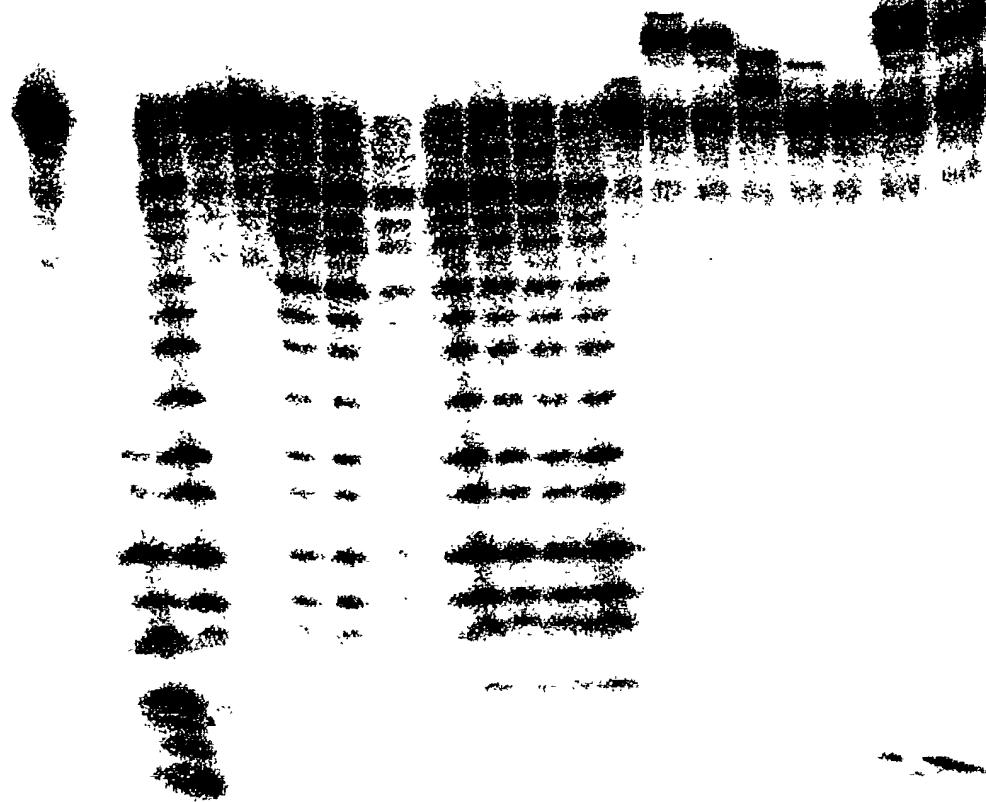
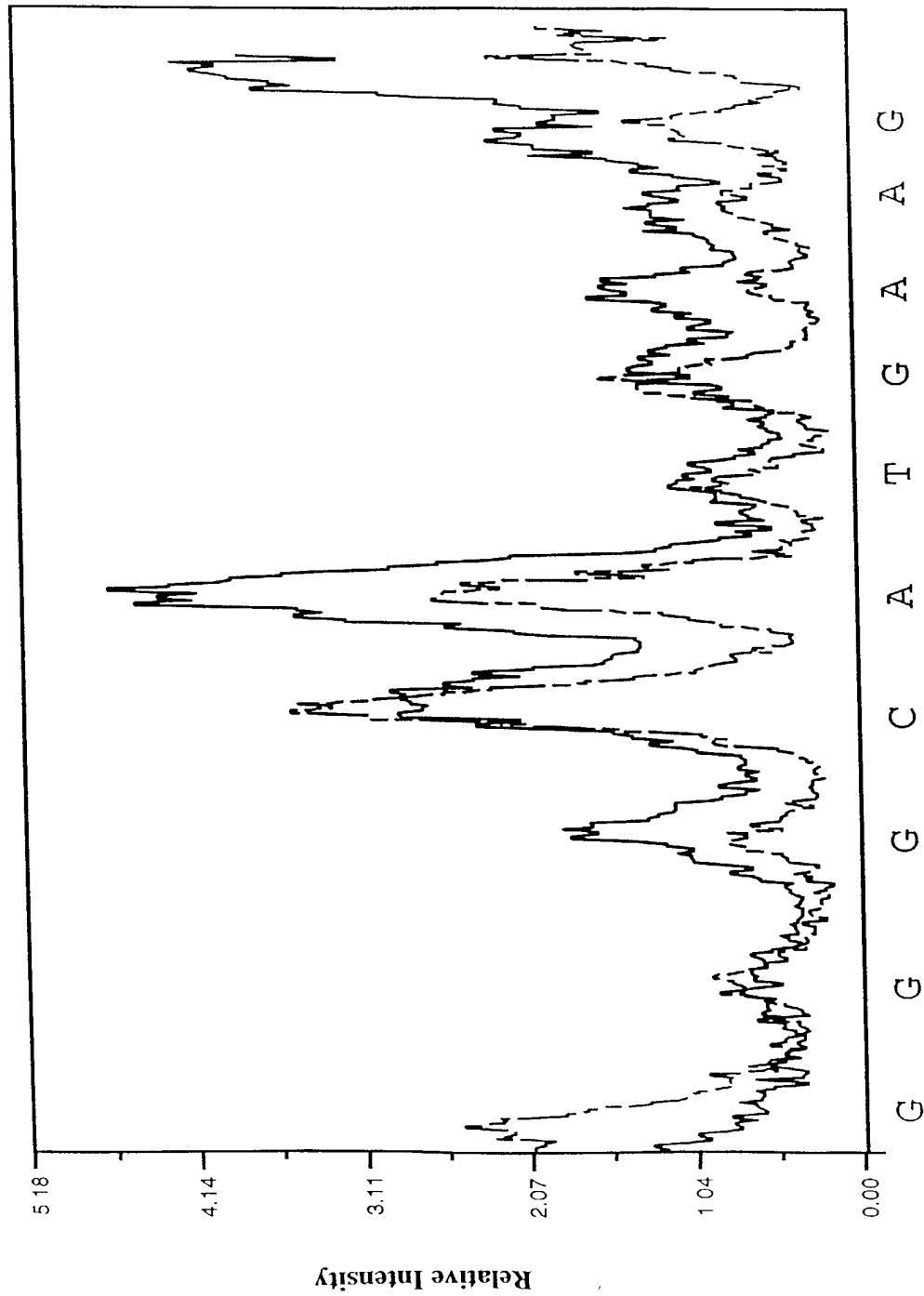


FIG. 11

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Signal Intensity and Reaction Kinetics Provide Information Concerning Base Identity.

FIG. 12